

## WHAT IS CLAIMED IS:

1. A trouble tracking system, comprising:

a server in communication with an electronic network;

a database in communication with the server, the database storing a

5 plurality of trouble tickets;

a user computer in communication with the network and having access, via a graphical user interface (GUI), to the server, the graphical user interface including at least one screen, the screen being operable to enter a new trouble ticket along with (i) a person responsible for resolving the ticket and (ii) a severity level for the trouble ticket, and to store the trouble ticket in the database; and

a paging system, in communication with the server, wherein when the severity level associated with the trouble ticket is above a predetermined threshold, the server automatically initiates a call to the person responsible via the paging system.

2. The trouble tracking system of claim 1, further comprising an email server, wherein the email server automatically sends an email message to the person responsible for resolving the ticket and the email message includes at least a trouble ticket number.

3. The trouble tracking system of claim 1, further comprising a report creation module, the report creation module being operable to generate reports based on the plurality of trouble tickets stored in the database.

5 4. The trouble tracking system of claim 1, further comprising a duplicate search module, the duplicate search module identifying at least one of an actual or a potential duplicate trouble ticket stored in the database.

10 5. The trouble tracking system of claim 4, wherein the duplicate search module lists at least one pair of the actual or potential duplicate trouble tickets.

15 6. The trouble tracking system of claim 1, wherein the trouble tickets comprise at least one of a problem, an inquiry, a bill notification and a user acceptance data issue.

7. The trouble tracking system of claim 1, further comprising a means for communicating with and sharing trouble ticket data with another organization.

20 8. The trouble tracking system of claim 1, wherein the database further stores information relating to whether a resolution of a trouble ticket, proposed by outsourced personnel, has been verified.

9. The trouble tracking system of claim 1, wherein the database further stores status information.

10. The trouble tracking system of claim 1, wherein the database further  
5 stores information associating a trouble ticket to a geographical region.

11. The trouble tracking system of claim 1, wherein the network comprises the Internet.

12. A system for managing issue resolution, comprising:

a plurality of computers interconnected in a network, one of the computers including a trouble ticket database and an executable program for accessing and updating the database and each of the computers having access to a graphical user interface (GUI), the GUI including at least one screen operable to add a new trouble ticket to the database, each trouble ticket including at least (i) a description of the an issue, (ii) a person responsible for resolving the issue and (iii) a severity level of the issue;

an email system in communication with the executable program, the  
executable program automatically emailing a trouble ticket number to the person  
20 responsible for resolving the issue; and

a paging system, the paging system automatically paging the person responsible for resolving the issue when the severity level of the trouble ticket is above a predetermined threshold.

5        13. The system of claim 12, wherein the paging system transmits the trouble ticket number.

10       14. The system of claim 12, wherein the screen operable to add a new trouble ticket includes fields for indicating the status of the trouble ticket and closed date of the trouble ticket.

15       15. The system of claim 12, wherein the trouble ticket is associated with a geographical area.

20       16. The system of claim 12, wherein the trouble ticket is one of a problem, an inquiry, a bill notification and user acceptance testing data.

25       17. The system of claim 12, further comprising a duplicate trouble ticket module.

30       18. The system of claim 12, further comprising a report creation module.

19. The system of claim 12, wherein the database is accessible via the Internet.

20. The system of claim 12, wherein an outsourced organization updates the  
5 database.

21. A trouble tracking system for monitoring trouble tickets, comprising:  
a central computer including an executable program and a database wherein  
the database stores a plurality of trouble tickets, each trouble ticket including a  
trouble ticket number, an issue description and a duplicate ticket flag;

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a plurality of user computers connected to the central computer via a  
network, the user computers displaying a graphical user interface (GUI) that  
permits entry and updating of trouble tickets in the database; and

a duplicate ticket module operable to search the database for actual or  
potential duplicate trouble tickets, the duplicate ticket module making available a  
list of actual or potential duplicate trouble tickets,

wherein one or more duplicate trouble tickets are flagged with a trouble  
ticket number of a representative trouble ticket.

20 22. The trouble tracking system of claim 21, further comprising a paging  
system.

23. The trouble tracking system of claim 22, wherein each trouble ticket further includes an indication of severity and a person responsible field and when the indication of severity exceeds a predetermined threshold, the person identified in the person responsible field is paged.

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24. The trouble tracking system of claim 23, further comprising an email server, wherein the person identified in the person responsible field is sent an email alerting him that he has been assigned a trouble ticket.

25. The trouble tracking system of claim 21, further comprising GUI screens for adding a problem, an inquiry, a bill notification and a user acceptance data issue to the database.

26. The trouble tracking system of claim 21, further comprising means for communicating with an outsourced organization.

27. The trouble tracking system of claim 26, wherein the means for communicating comprises the Internet.

28. The trouble tracking system of claim 21, wherein the database stores information associating a trouble ticket to a geographical region.

29. A method for tracking trouble tickets, comprising the steps of:  
providing a trouble ticket database;  
accessing, via a network, a graphical user interface (GUI), the graphical user  
interface including at least one screen, the screen being operable to enter a new  
5 trouble ticket along with (i) a person responsible for resolving the trouble ticket and  
(ii) a severity level for the trouble ticket, and to store the trouble ticket in the  
database; and  
paging the person responsible when the severity level associated with the  
trouble ticket is above a predetermined threshold.

30. The method of claim 29, further comprising emailing the person  
responsible with at least a trouble ticket number.

31. The method of claim 29, further comprising creating a report based on a  
5 plurality of trouble tickets stored in the database.

32. The method of claim 29, further comprising searching the database for  
duplicate trouble tickets.

20 33. The method of claim 29, wherein the trouble tickets comprise at least one  
of a problem, an inquiry, a bill notification and a user acceptance data issue.

34. The method of claim 29, further comprising communicating with and sharing trouble ticket data with an outsourced organization.

35. The method of claim 29, further comprising verifying a resolution of a trouble ticket, proposed by outsourced personnel, and storing information indicative of verification.

36. The method of claim 29, further comprising storing status information.

37. The method of claim 29, further comprising storing information associating a trouble ticket to a geographical region.



38. A method for managing issue resolution, comprising the steps of:  
connecting a plurality of computers in a network, one of the computers  
including a trouble ticket database and an executable program for accessing and  
5 updating the database and each of the computers having access to a graphical user  
interface (GUI), the GUI including at least one screen operable to add new trouble  
ticket to the database, each trouble ticket including at least (i) a description of an  
issue, (ii) a person responsible for resolving the issue and (iii) a severity level of the  
issue;  
10 emailing a trouble ticket number to the person responsible for resolving the  
issue; and  
automatically paging the person responsible for resolving the issue when the  
severity level of the trouble ticket is above a predetermined threshold.

39. The method of claim 38, further comprising transmitting the trouble  
15 ticket number in the paging step.

40. The method of claim 38, further comprising storing a status of the  
trouble ticket and a closed date of the trouble ticket.

20 41. The method of claim 38, further comprising associating the trouble ticket  
with a geographical area.

42. The method of claim 38, wherein the trouble ticket is one of a problem, inquiry, a bill notification and user acceptance testing data.

5        43. The method of claim 38, further comprising searching for duplicate trouble tickets.

44. The method of claim 38, further comprising creating a report based on a plurality of trouble tickets.

10       45. The method of claim 38, further comprising accessing the database via the Internet.

15       46. A method for monitoring trouble tickets, comprising the steps of:  
storing in a database, resident on a central computer, a plurality of trouble tickets, each trouble ticket including a trouble ticket number, an issue description and a duplicate ticket flag;

providing a plurality of user computers connected to the central computer via a network, the user computers displaying a graphical user interface (GUI) that  
20       permits entry and updating of trouble tickets in the database;

searching the database for actual or potential duplicate trouble tickets;

displaying a list of actual or potential duplicate trouble tickets; and

flagging one or more duplicate trouble tickets including indicating a trouble ticket number of a representative trouble ticket.

47. The method of claim 46, further comprising paging a person responsible for resolving a trouble ticket.

48. The method of claim 46, wherein each trouble ticket further includes an indication of severity and a person responsible field, and when the indication of severity exceeds a predetermined threshold, paging the person identified in the person responsible field.

49. The method of claim 46, further comprising emailing a person responsible for resolving the trouble ticket.

50. The method of claim 46, further comprising displaying GUI screens for adding a problem, an inquiry, a bill notification and a user acceptance data issue to the database.

51. The method of claim 46, further comprising exchanging information in the database with an outsourced organization.

